

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL080624\  
 Data File : PL090818.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Aug 2024 13:35  
 Operator : AR\AJ  
 Sample : P3390-03  
 Misc : PEST MDL 1PPB  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 07 02:14:48 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL080524.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Aug 06 10:55:36 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml  | ng/ml    |
|-----------------------------|-----------------|--------|--------|----------|----------|--------|----------|
| -----                       |                 |        |        |          |          |        |          |
| System Monitoring Compounds |                 |        |        |          |          |        |          |
| 1)                          | SA Tetrachlo... | 3.545  | 2.786  | 40849768 | 34993905 | 21.097 | 20.242   |
| 28)                         | SA Decachlor... | 9.058  | 7.929  | 31936488 | 35453246 | 22.228 | 21.240   |
| Target Compounds            |                 |        |        |          |          |        |          |
| 2)                          | A alpha-BHC     | 3.999  | 3.289  | 3408258  | 2590522  | 1.234  | 1.052    |
| 3)                          | MA gamma-BHC... | 4.332  | 3.620  | 3152114  | 2677911  | 1.198  | 1.144    |
| 4)                          | MA Heptachlor   | 4.921  | 3.960  | 4045888  | 2461877  | 1.636  | 1.062 #  |
| 5)                          | MB Aldrin       | 5.263  | 4.240  | 3259267  | 2478347  | 1.356  | 1.118    |
| 6)                          | B beta-BHC      | 4.529  | 3.918  | 1776232  | 1355084  | 1.411  | 1.274    |
| 7)                          | B delta-BHC     | 4.775  | 4.148  | 4465913  | 2250539  | 1.784  | 1.007 #  |
| 8)                          | B Heptachlo...  | 5.688  | 4.743  | 4062185  | 2362345  | 1.788  | 1.159 #  |
| 9)                          | A Endosulfan I  | 6.074  | 5.113  | 3030719  | 2279241  | 1.446  | 1.180    |
| 10)                         | B gamma-Chl...  | 5.944  | 4.993  | 8776049  | 2537881  | 3.884  | 1.188 #  |
| 11)                         | B alpha-Chl...  | 6.023  | 5.057  | 3356258  | 2572035  | 1.499  | 1.206    |
| 12)                         | B 4,4'-DDE      | 6.195  | 5.246  | 2762827  | 1975400  | 1.394  | 1.053    |
| 13)                         | MA Dieldrin     | 6.348  | 5.377  | 2998490  | 2273748  | 1.367  | 1.101    |
| 14)                         | MA Endrin       | 6.578  | 5.652  | 2178883  | 1841996  | 1.190  | 1.008    |
| 15)                         | B Endosulfa...  | 6.797  | 5.947  | 3164060  | 2264934  | 1.578  | 1.247    |
| 16)                         | A 4,4'-DDD      | 6.713  | 5.800  | 2269504  | 1978123  | 1.377  | 1.275    |
| 17)                         | MA 4,4'-DDT     | 7.026  | 6.051  | 2424762  | 1481960  | 1.360  | 0.894 #  |
| 18)                         | B Endrin al...  | 6.927  | 6.126  | 2179721  | 1795284  | 1.447  | 1.268    |
| 19)                         | B Endosulfa...  | 7.161  | 6.349  | 2618642  | 2073021  | 1.460  | 1.188    |
| 20)                         | A Methoxychlor  | 0.000  | 6.626  | 0        | 946660   | N.D.   | 1.026 #  |
| 21)                         | B Endrin ke...  | 7.646  | 6.854  | 3141324  | 2278882  | 1.585  | 1.150 #  |
| 22)                         | Mirex           | 8.119  | 7.037  | 2226093  | 2216192  | 1.432  | 1.320    |
| 23)                         | Chlordane-1     | 0.000  | 3.771  | 0        | 30175    | N.D.   | 0.448 #  |
| 24)                         | Chlordane-2     | 5.263f | 4.370  | 3259267  | 285020   | 32.317 | 3.427 #  |
| 25)                         | Chlordane-3     | 5.944  | 4.993  | 8776049  | 2537881  | 26.687 | 11.333 # |
| 26)                         | Chlordane-4     | 6.023  | 5.057  | 3356258  | 2572035  | 8.375  | 12.021 # |
| 27)                         | Chlordane-5     | 0.000  | 5.751f | 0        | 586381   | N.D.   | 8.774 #  |
| -----                       |                 |        |        |          |          |        |          |

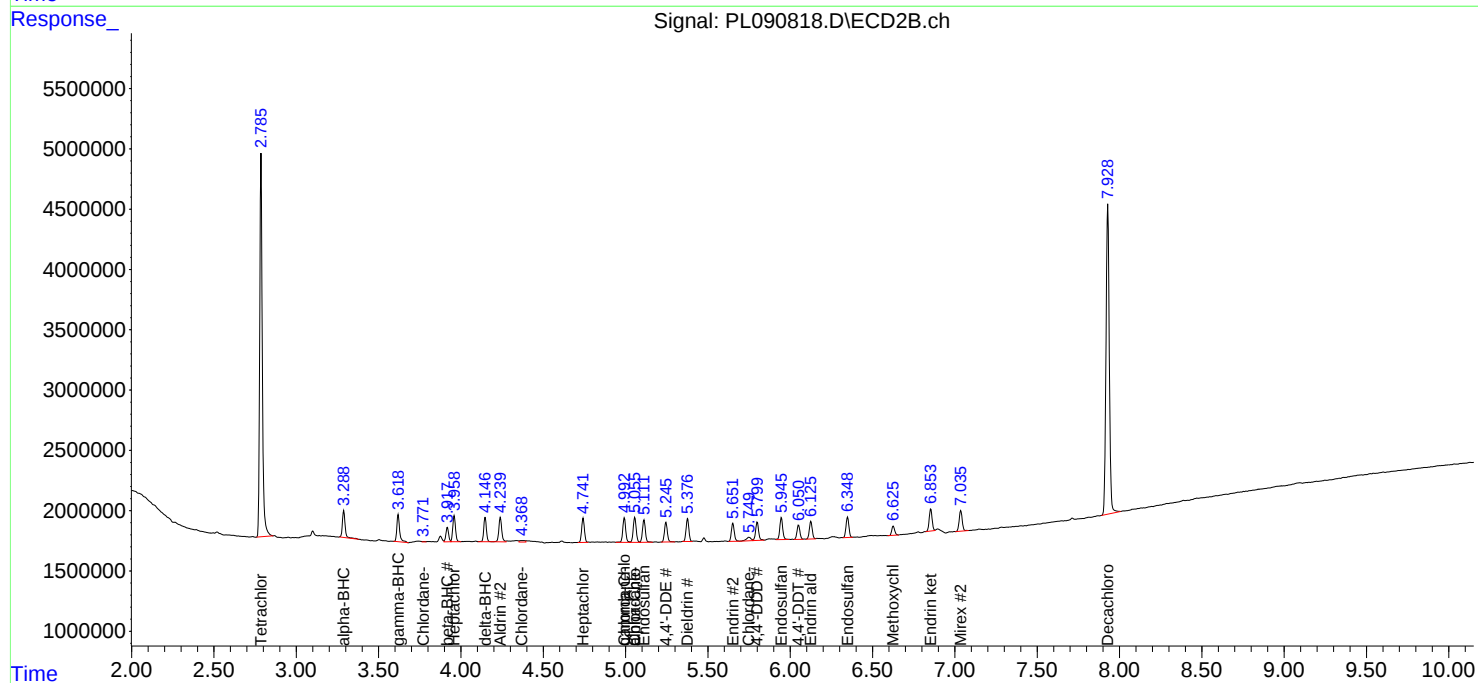
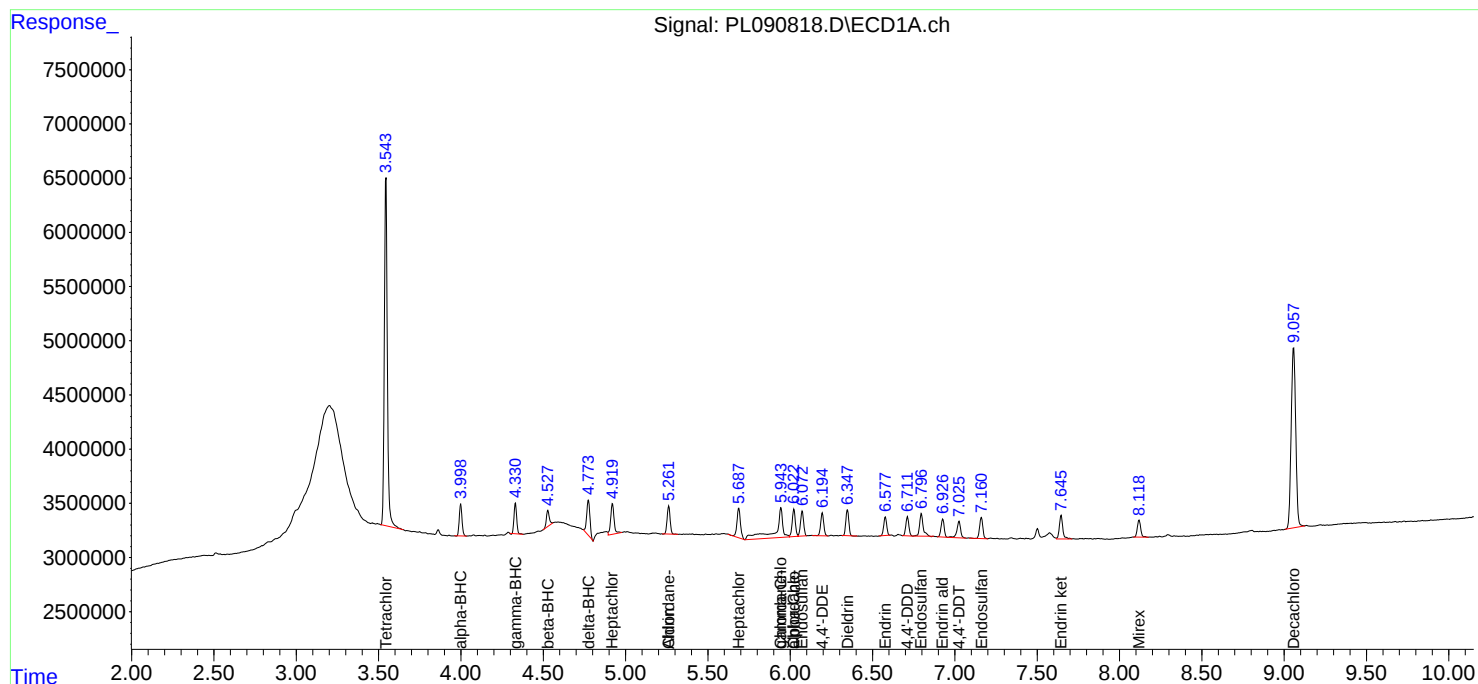
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

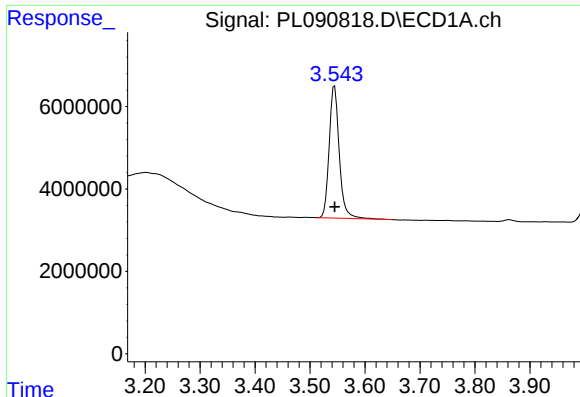
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL080624\  
Data File : PL090818.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Aug 2024 13:35  
Operator : AR\AJ  
Sample : P3390-03  
Misc : PEST MDL 1PPB  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 07 02:14:48 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL080524.M  
Quant Title : GC Extractables  
QLast Update : Tue Aug 06 10:55:36 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

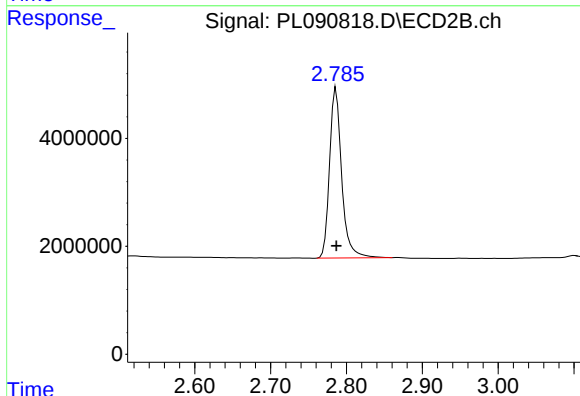




#1 Tetrachloro-m-xylene

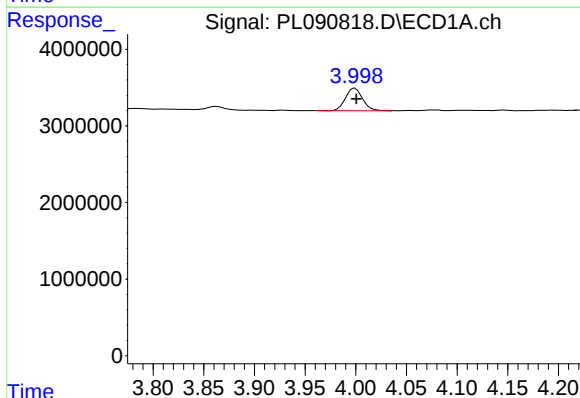
R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 40849768  
Conc: 21.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



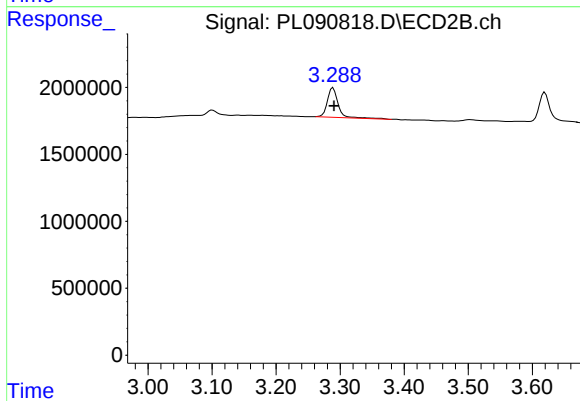
#1 Tetrachloro-m-xylene

R.T.: 2.786 min  
Delta R.T.: 0.000 min  
Response: 34993905  
Conc: 20.24 ng/ml



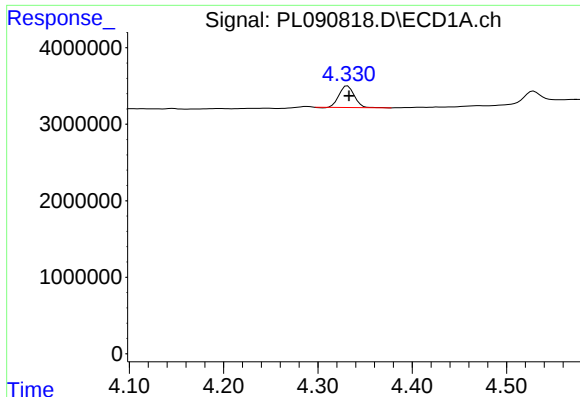
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: -0.001 min  
Response: 3408258  
Conc: 1.23 ng/ml



#2 alpha-BHC

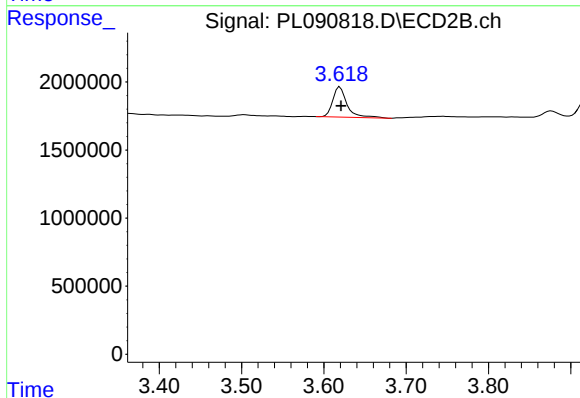
R.T.: 3.289 min  
Delta R.T.: -0.002 min  
Response: 2590522  
Conc: 1.05 ng/ml



#3 gamma-BHC (Lindane)

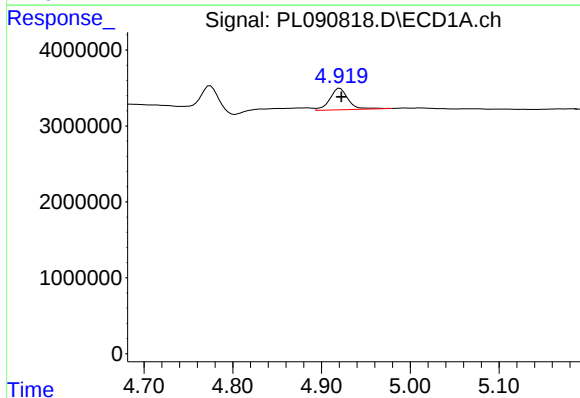
R.T.: 4.332 min  
Delta R.T.: -0.002 min  
Response: 3152114  
Conc: 1.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



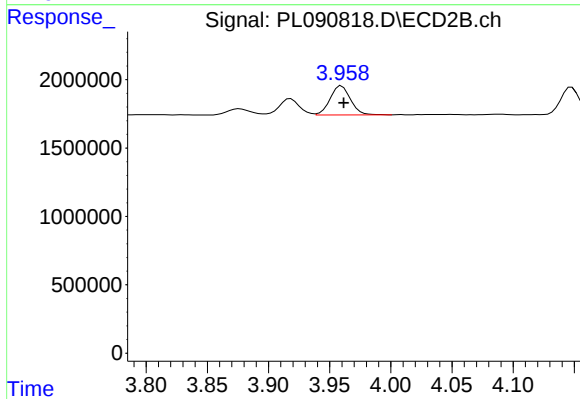
#3 gamma-BHC (Lindane)

R.T.: 3.620 min  
Delta R.T.: -0.001 min  
Response: 2677911  
Conc: 1.14 ng/ml



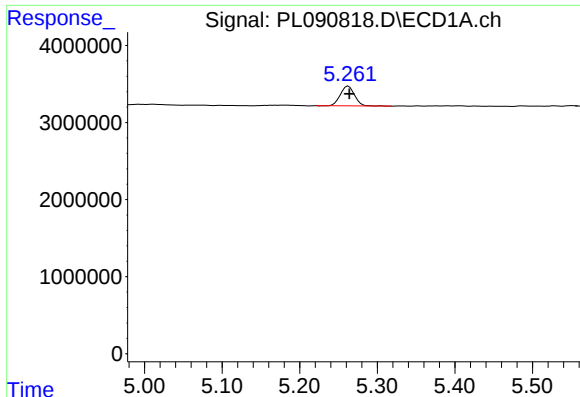
#4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: -0.002 min  
Response: 4045888  
Conc: 1.64 ng/ml



#4 Heptachlor

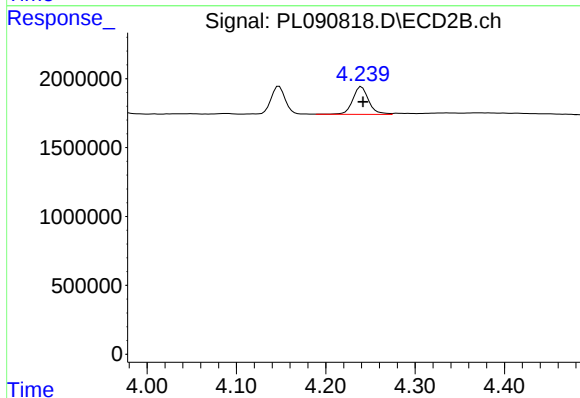
R.T.: 3.960 min  
Delta R.T.: -0.002 min  
Response: 2461877  
Conc: 1.06 ng/ml



#5 Aldrin

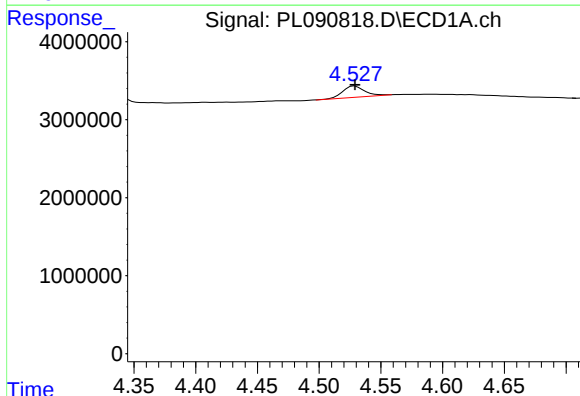
R.T.: 5.263 min  
Delta R.T.: -0.002 min  
Response: 3259267  
Conc: 1.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



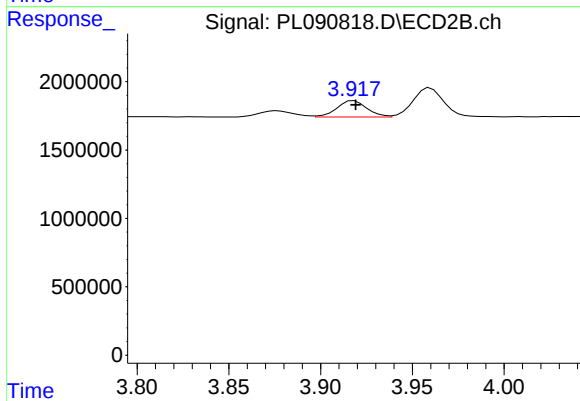
#5 Aldrin

R.T.: 4.240 min  
Delta R.T.: -0.002 min  
Response: 2478347  
Conc: 1.12 ng/ml



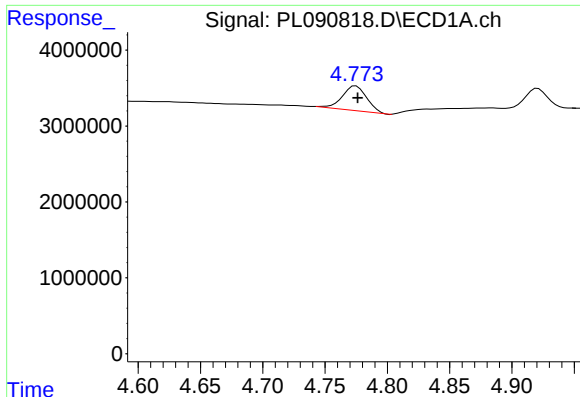
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 1776232  
Conc: 1.41 ng/ml



#6 beta-BHC

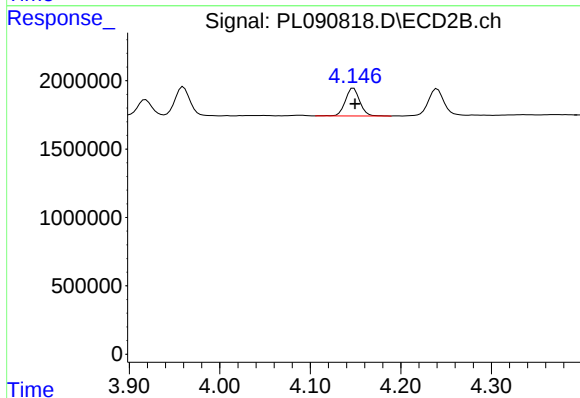
R.T.: 3.918 min  
Delta R.T.: -0.001 min  
Response: 1355084  
Conc: 1.27 ng/ml



#7 delta-BHC

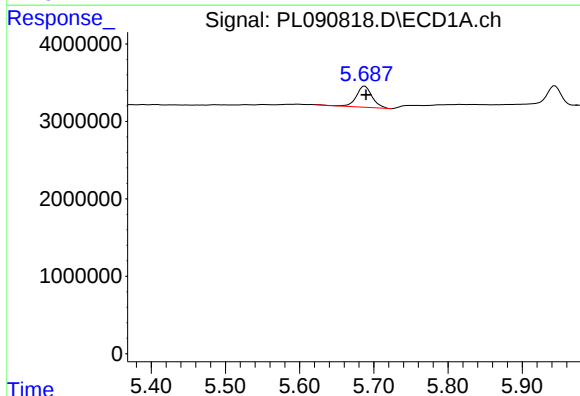
R.T.: 4.775 min  
Delta R.T.: -0.002 min  
Response: 4465913  
Conc: 1.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



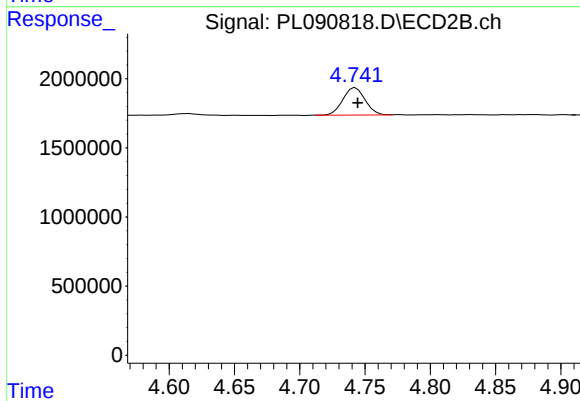
#7 delta-BHC

R.T.: 4.148 min  
Delta R.T.: -0.001 min  
Response: 2250539  
Conc: 1.01 ng/ml



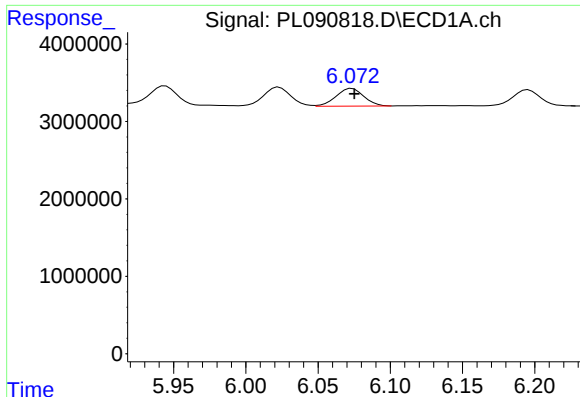
#8 Heptachlor epoxide

R.T.: 5.688 min  
Delta R.T.: -0.002 min  
Response: 4062185  
Conc: 1.79 ng/ml



#8 Heptachlor epoxide

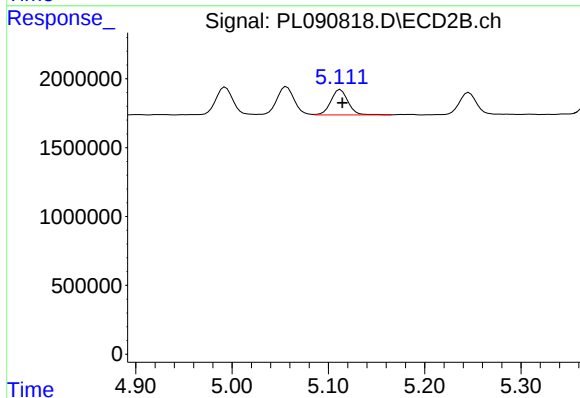
R.T.: 4.743 min  
Delta R.T.: -0.002 min  
Response: 2362345  
Conc: 1.16 ng/ml



#9 Endosulfan I

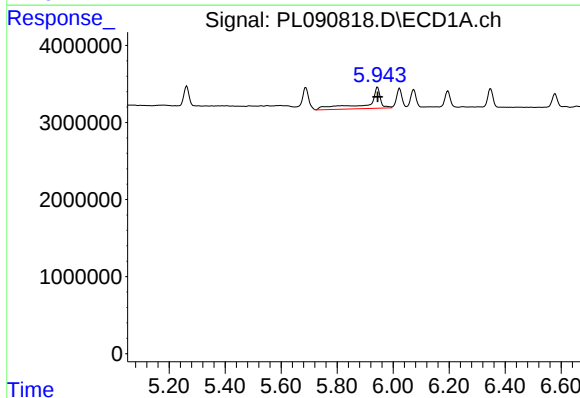
R.T.: 6.074 min  
Delta R.T.: -0.002 min  
Response: 3030719  
Conc: 1.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



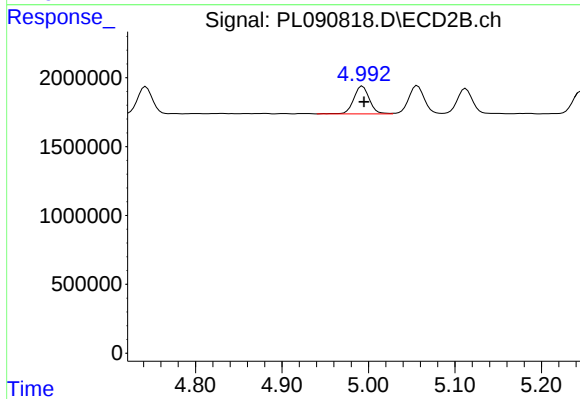
#9 Endosulfan I

R.T.: 5.113 min  
Delta R.T.: -0.002 min  
Response: 2279241  
Conc: 1.18 ng/ml



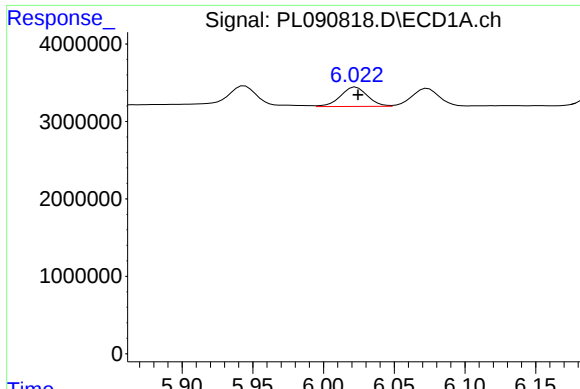
#10 gamma-Chlordane

R.T.: 5.944 min  
Delta R.T.: -0.001 min  
Response: 8776049  
Conc: 3.88 ng/ml



#10 gamma-Chlordane

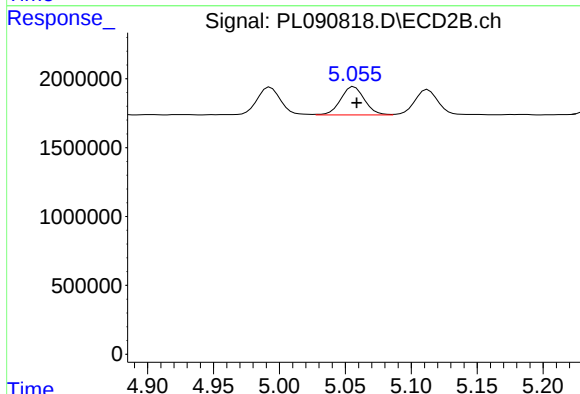
R.T.: 4.993 min  
Delta R.T.: -0.002 min  
Response: 2537881  
Conc: 1.19 ng/ml



#11 alpha-Chlordane

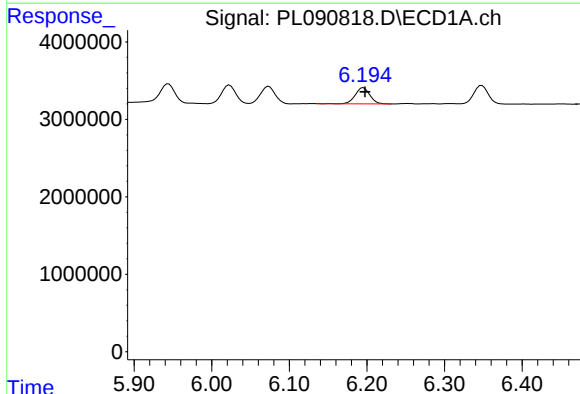
R.T.: 6.023 min  
Delta R.T.: -0.002 min  
Response: 3356258  
Conc: 1.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



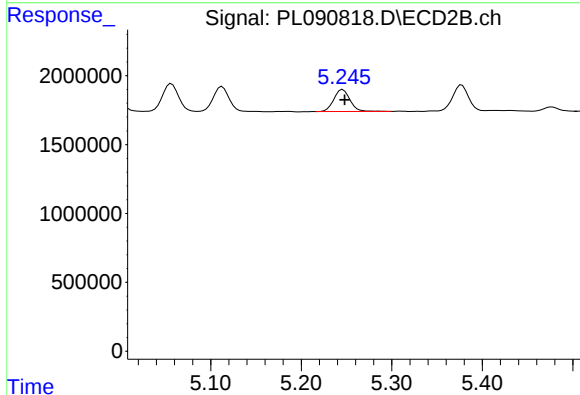
#11 alpha-Chlordane

R.T.: 5.057 min  
Delta R.T.: -0.002 min  
Response: 2572035  
Conc: 1.21 ng/ml



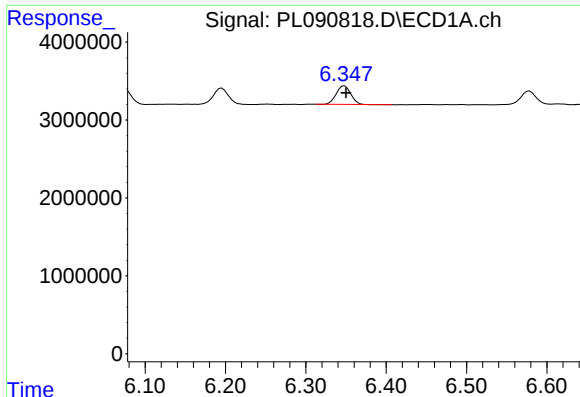
#12 4,4'-DDE

R.T.: 6.195 min  
Delta R.T.: -0.002 min  
Response: 2762827  
Conc: 1.39 ng/ml



#12 4,4'-DDE

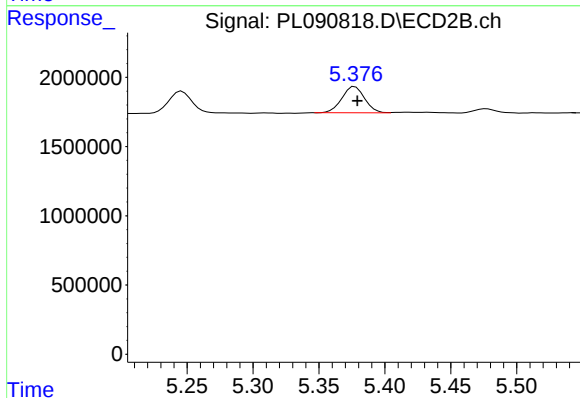
R.T.: 5.246 min  
Delta R.T.: -0.002 min  
Response: 1975400  
Conc: 1.05 ng/ml



#13 Dieldrin

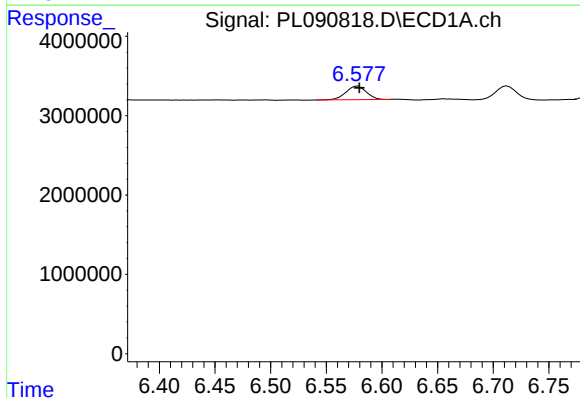
R.T.: 6.348 min  
Delta R.T.: -0.002 min  
Response: 2998490  
Conc: 1.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



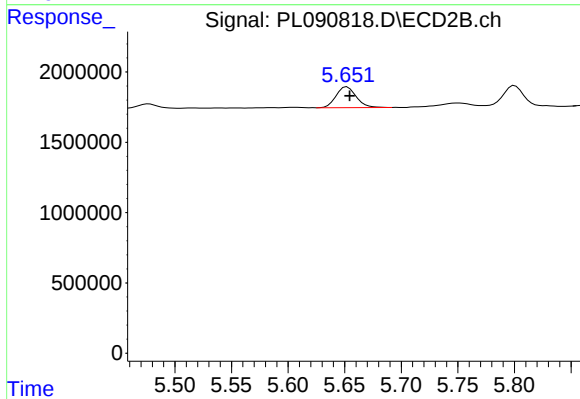
#13 Dieldrin

R.T.: 5.377 min  
Delta R.T.: -0.002 min  
Response: 2273748  
Conc: 1.10 ng/ml



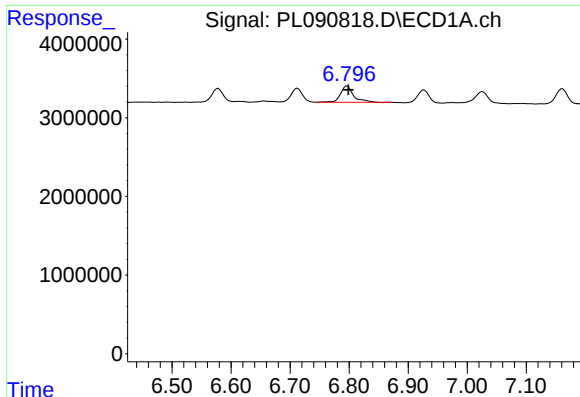
#14 Endrin

R.T.: 6.578 min  
Delta R.T.: -0.001 min  
Response: 2178883  
Conc: 1.19 ng/ml



#14 Endrin

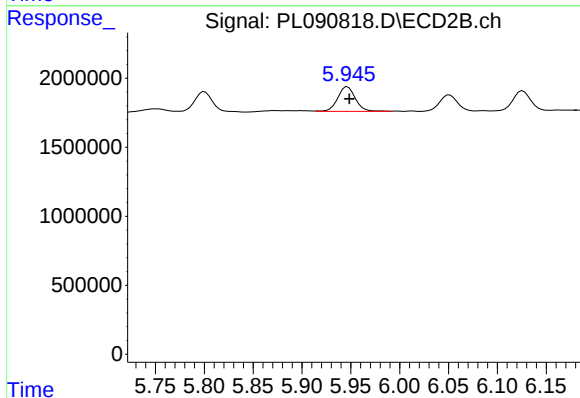
R.T.: 5.652 min  
Delta R.T.: -0.002 min  
Response: 1841996  
Conc: 1.01 ng/ml



#15 Endosulfan II

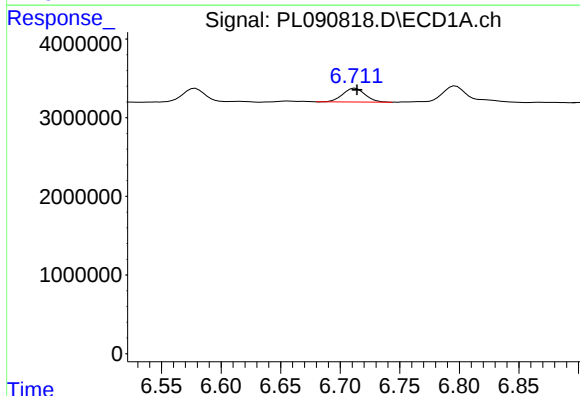
R.T.: 6.797 min  
Delta R.T.: -0.002 min  
Response: 3164060  
Conc: 1.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



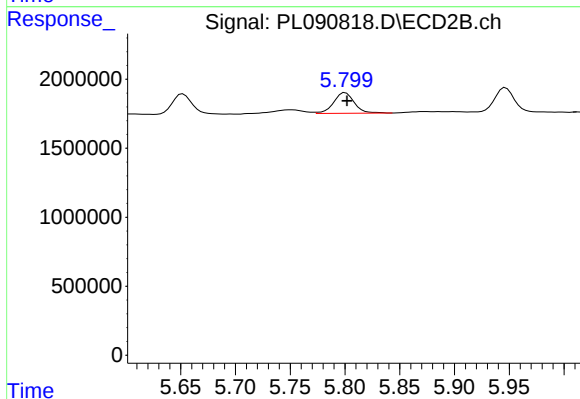
#15 Endosulfan II

R.T.: 5.947 min  
Delta R.T.: -0.002 min  
Response: 2264934  
Conc: 1.25 ng/ml



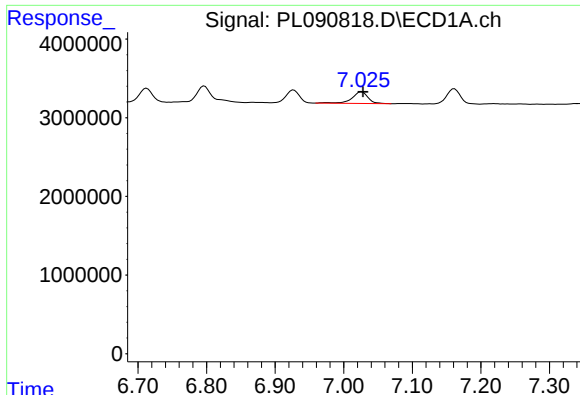
#16 4,4'-DDD

R.T.: 6.713 min  
Delta R.T.: -0.001 min  
Response: 2269504  
Conc: 1.38 ng/ml



#16 4,4'-DDD

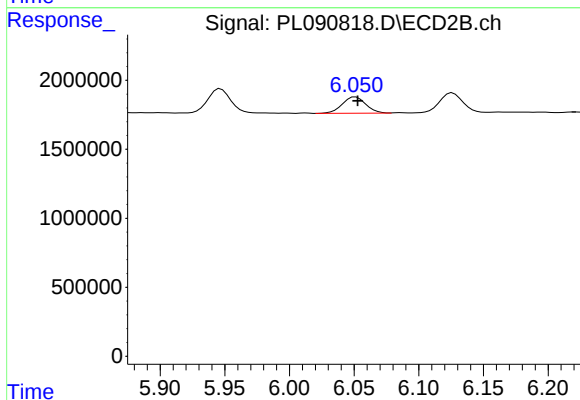
R.T.: 5.800 min  
Delta R.T.: -0.002 min  
Response: 1978123  
Conc: 1.27 ng/ml



#17 4,4'-DDT

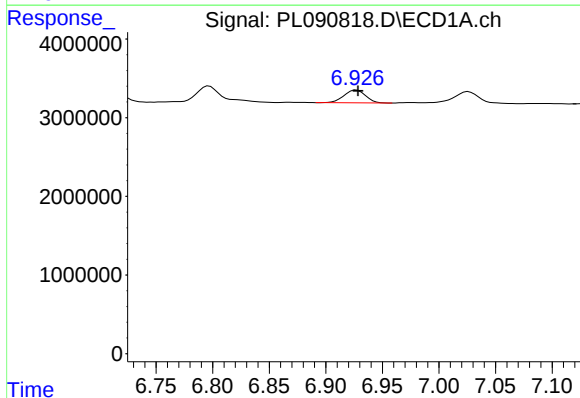
R.T.: 7.026 min  
Delta R.T.: -0.002 min  
Response: 2424762  
Conc: 1.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



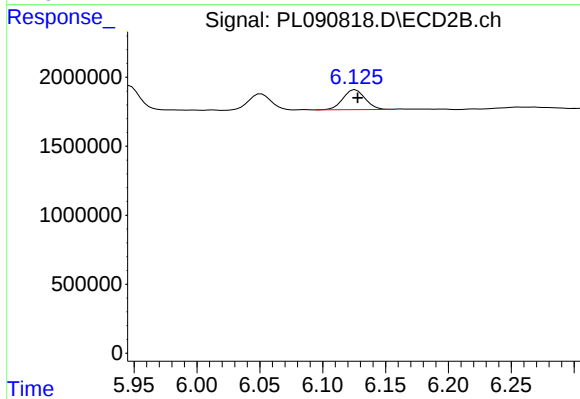
#17 4,4'-DDT

R.T.: 6.051 min  
Delta R.T.: -0.002 min  
Response: 1481960  
Conc: 0.89 ng/ml



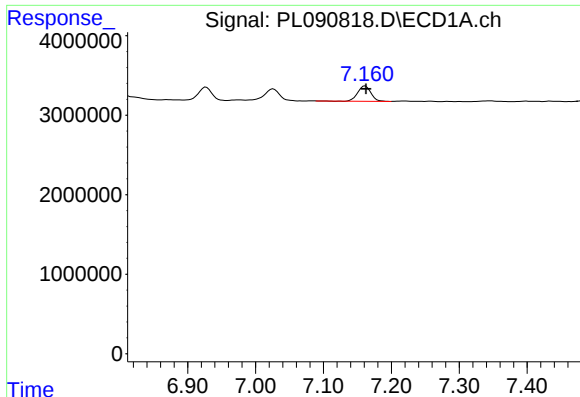
#18 Endrin aldehyde

R.T.: 6.927 min  
Delta R.T.: -0.002 min  
Response: 2179721  
Conc: 1.45 ng/ml



#18 Endrin aldehyde

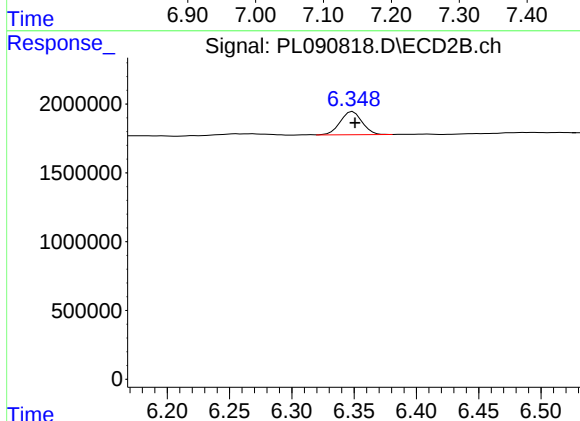
R.T.: 6.126 min  
Delta R.T.: -0.002 min  
Response: 1795284  
Conc: 1.27 ng/ml



#19 Endosulfan Sulfate

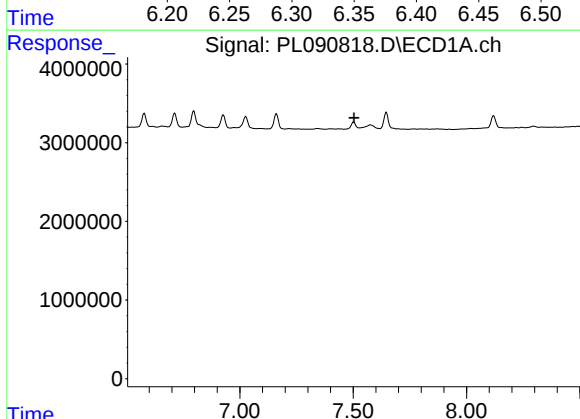
R.T.: 7.161 min  
Delta R.T.: -0.001 min  
Response: 2618642  
Conc: 1.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



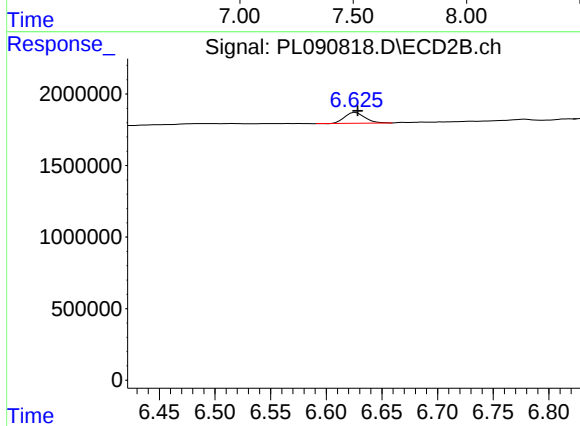
#19 Endosulfan Sulfate

R.T.: 6.349 min  
Delta R.T.: -0.002 min  
Response: 2073021  
Conc: 1.19 ng/ml



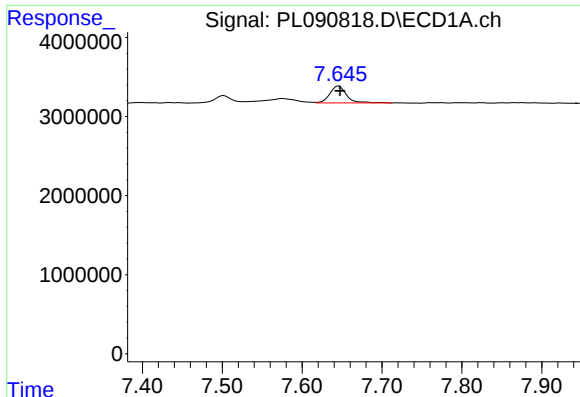
#20 Methoxychlor

R.T.: 0.000 min  
Exp R.T. : 7.504 min  
Response: 0  
Conc: N.D.



#20 Methoxychlor

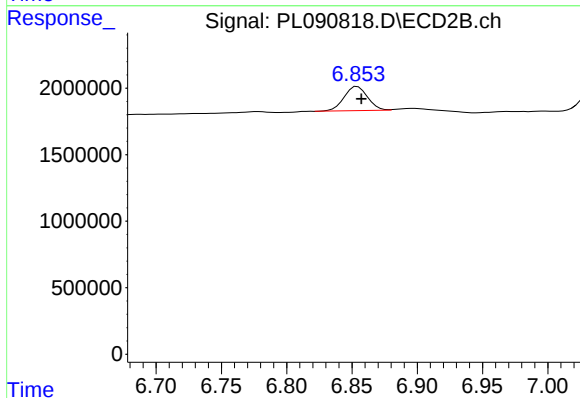
R.T.: 6.626 min  
Delta R.T.: -0.002 min  
Response: 946660  
Conc: 1.03 ng/ml



#21 Endrin ketone

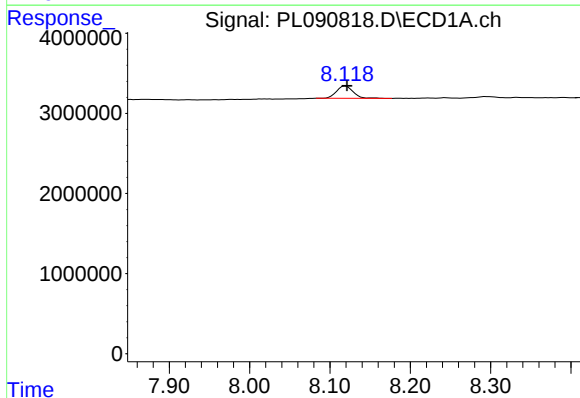
R.T.: 7.646 min  
Delta R.T.: -0.002 min  
Response: 3141324  
Conc: 1.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



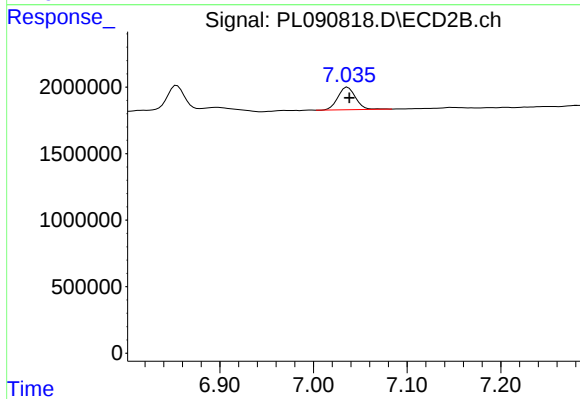
#21 Endrin ketone

R.T.: 6.854 min  
Delta R.T.: -0.003 min  
Response: 2278882  
Conc: 1.15 ng/ml



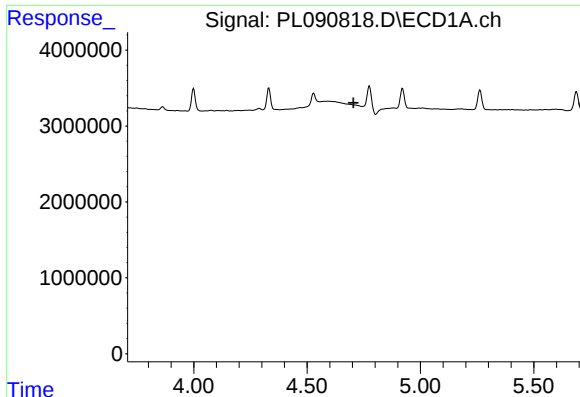
#22 Mirex

R.T.: 8.119 min  
Delta R.T.: -0.002 min  
Response: 2226093  
Conc: 1.43 ng/ml



#22 Mirex

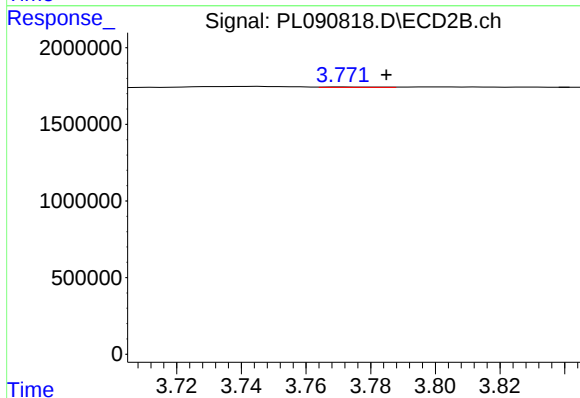
R.T.: 7.037 min  
Delta R.T.: -0.002 min  
Response: 2216192  
Conc: 1.32 ng/ml



#23 Chlordane-1

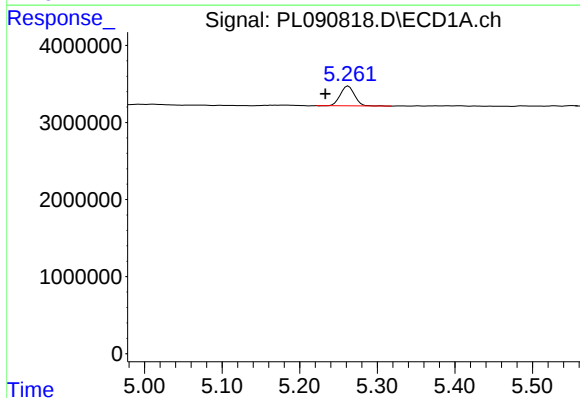
R.T.: 0.000 min  
Exp R.T.: 4.705 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



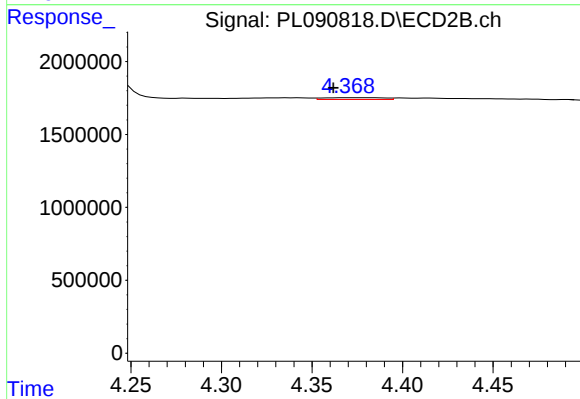
#23 Chlordane-1

R.T.: 3.771 min  
Delta R.T.: -0.013 min  
Response: 30175  
Conc: 0.45 ng/ml



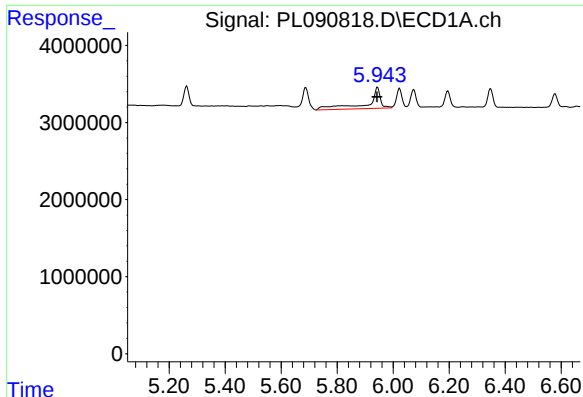
#24 Chlordane-2

R.T.: 5.263 min  
Delta R.T.: 0.029 min  
Response: 3259267  
Conc: 32.32 ng/ml



#24 Chlordane-2

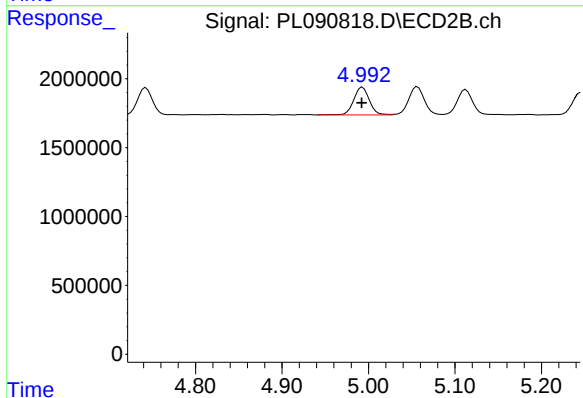
R.T.: 4.370 min  
Delta R.T.: 0.008 min  
Response: 285020  
Conc: 3.43 ng/ml



#25 Chlordane-3

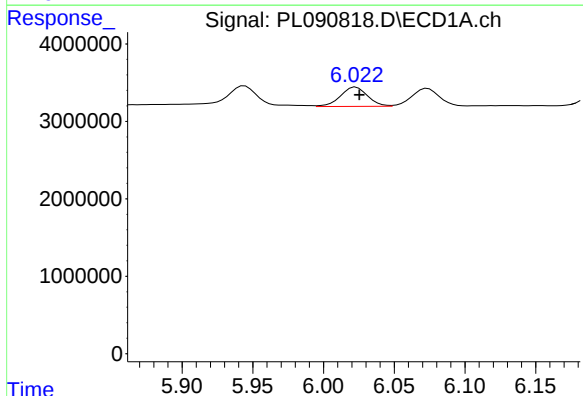
R.T.: 5.944 min  
Delta R.T.: 0.001 min  
Response: 8776049  
Conc: 26.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



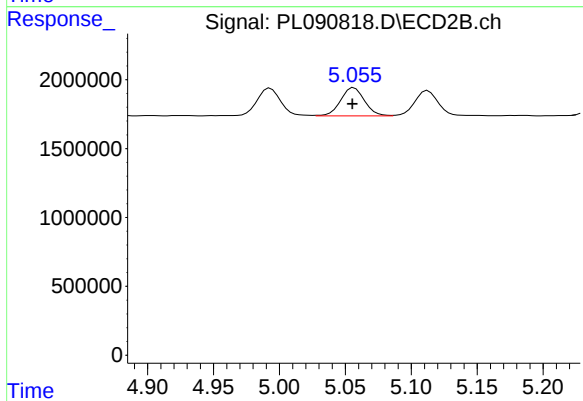
#25 Chlordane-3

R.T.: 4.993 min  
Delta R.T.: 0.000 min  
Response: 2537881  
Conc: 11.33 ng/ml



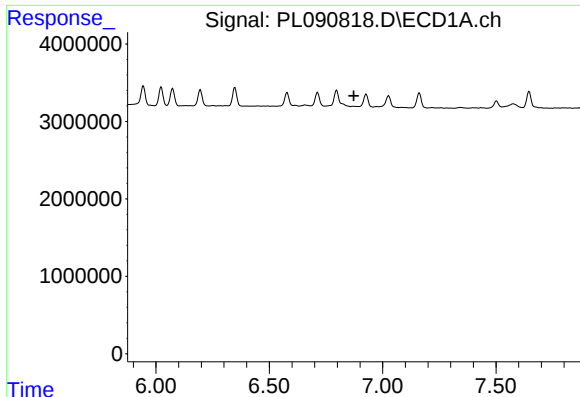
#26 Chlordane-4

R.T.: 6.023 min  
Delta R.T.: -0.002 min  
Response: 3356258  
Conc: 8.38 ng/ml



#26 Chlordane-4

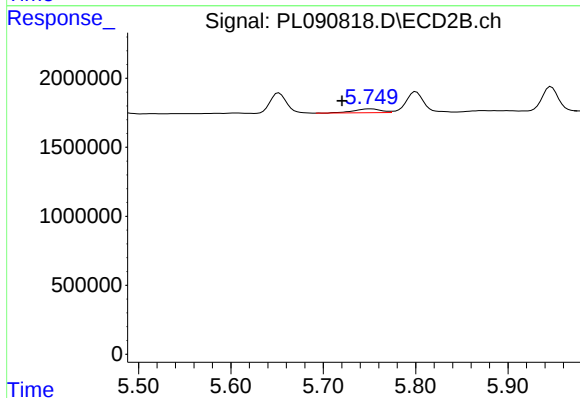
R.T.: 5.057 min  
Delta R.T.: 0.001 min  
Response: 2572035  
Conc: 12.02 ng/ml



#27 Chlordane-5

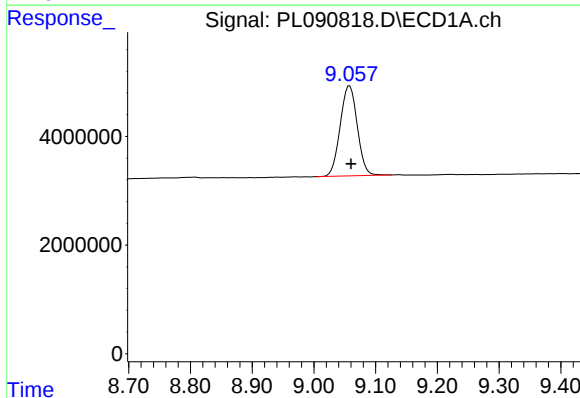
R.T.: 0.000 min  
Exp R.T.: 6.873 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT3-2024



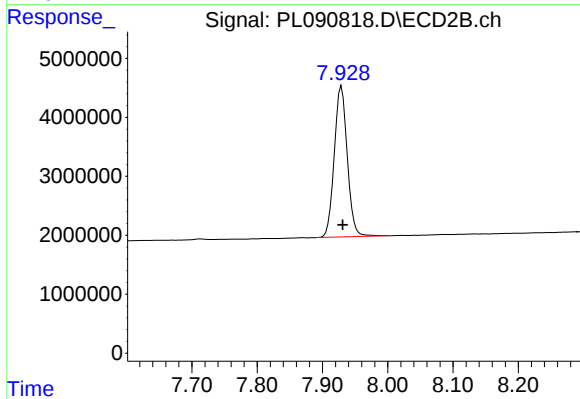
#27 Chlordane-5

R.T.: 5.751 min  
Delta R.T.: 0.030 min  
Response: 586381  
Conc: 8.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min  
Delta R.T.: -0.002 min  
Response: 31936488  
Conc: 22.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.929 min  
Delta R.T.: -0.002 min  
Response: 35453246  
Conc: 21.24 ng/ml